	Application No.	Applicant(s)		
Notice of Allowability	Application No.	Applicant(s)		
	10/562,257	SHAFER ET AL.		
	Examiner	Art Unit		
	William C. Choi	2873		
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is separation in separation.	n this application. If not included unication will be mailed in due cours	se THIS	
1. This communication is responsive to interview conducted 2/28/2007.				
2. The allowed claim(s) is/are <u>1-24</u> .				
 3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 		or (f).		
Certified copies of the priority documents have been received in Application No				
3. Copies of the certified copies of the priority documents have been received in this national stage application from the				
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file IENT of this application.	a reply complying with the requirer	nents	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXA es reason(s) why the oath o	AMINER'S AMENDMENT or NOTIC declaration is deficient.	E OF	
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.				
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date				
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or	in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on t he header according to 37 CF	ne drawings in the front (not the back R 1.121(d).	i) of	
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	ERIAL must be submitted. Note t DLOGICAL MATERIAL.	:he	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Notice of In	formal Patent Application	i	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		formal Patent Application ummary (PTO-413),		
	Paper No.	Mail Date <u>20080228</u> .		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 1205 	7. ⊠ Examiner's	Amendment/ Comment		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's	8. 🛛 Examiner's Statement of Reasons for Allowance		
- Sieregioui material	9.			

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EXAMINER'S AMENDMENT

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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christopher Bowley on February 28, 2007.

The application has been amended as follows:

- 1. In line 2 of claim 1, delete "greatest" and insert therein --maximum--.
- 2. In line 3 of claim 1, delete "NA," and insert therein --NA bigger than 1,--.
- 3. In line 7 of claim 1, delete "objective, the" and insert therein --objective, and the--.
- 4. In lines 8 and 9 of claim 1, delete ", and the value of the numerical aperture is bigger than 1--.

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All claims pending thus being allowable, prosecution on the merits is closed in this application. A statement of the examiner's reasons for allowance is provided in the paragraphs, which follow below.

REASONS FOR ALLOWANCE

Claims 1-5 are allowed.

The instant application is deemed to be directed to a nonobvious improvement over the invention of Omura et al (U.S. 2005/0248856 A1), as being a representative example in the art to which the instant invention pertains. In particular, said improvement provides a microlithography projection objective comprising at least one liquid lens with an image side numerical aperture bigger than 1.

More specifically, independent claim 1 is drawn to a microlithography projection objective having a maximum adjustable image-side numerical aperture bigger than 1, at least one first solid lens and at least one liquid lens as claimed, specifically wherein the first lens has the greatest refractive index of all solid lenses of the objective and the refractive index of the at least one liquid lens is bigger than the refractive index of the first lens (Claim 1, lines 6-9).

The prior art taken either singly or in combination fails to anticipate or fairly suggest the limitations of applicant's independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The claimed invention is therefore considered to be in condition for allowance as being novel and nonobvious over prior art.

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OTHER REMARKS/INFORMATION

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Choi whose telephone number is (571) 272-2324. The examiner can normally be reached on Monday-Friday from about 9:00 am to 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

W.C

William Choi Patent Examiner Art Unit 2873 February 28, 2007 DAVID SPECTOR
PRIMARY EXAMINER

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